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AS CA2—1963

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Amendment No. 3
November 1964
X-759
.S9#15

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June 1964

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ADDENDA
to
AS K153, Parts 1 and 2—1964
THE SAMPLING OF COAL AND COKE

British Standard 1017 : Parts 1 and 2 : 1960 has been endorsed as Australian Standard K153, Parts 1 and 2—1964. The endorsement supersedes AS CK2, Part I—1949 and Part II—1949, and these standards are accordingly withdrawn.

When the endorsement of B.S.1017 was being considered in relation to Australian requirements, the Association's Coal and Coke Committee agreed that the usefulness of the standard would be increased by the addition of a general introduction which would explain the principles upon which the standard had been prepared, and by the inclusion of indexes to the contents and to the letter symbols in the two Parts of the British Standard. The introduction and the indexes were to be additional to the amendments that were necessary to bring the text of the standard into line with Australian practices.

The introduction and indexes are set out in this booklet; it is emphasized that this introduction does not replace the foreword or the introduction given in each Part. Details of the amendments are given in a separate booklet, published under the designation "Amendment No. 1 to AS K153" and printed, in accordance with usual practice, on green paper for cutting up and inserting at the appropriate points throughout the standard.

Attention is drawn to the fact that the Australian endorsement is incomplete unless the user has both this white "Addenda" booklet and the green "Amendment No. 1" booklet for use in conjunction with Parts 1 and 2 of B.S.1017 : 1960.

For the purposes of the Australian endorsement, the amendments to Part 1 apply only to the sampling of hard coal and do not apply to brown coal and lignites; Part 2 applies only to coke and not to the derivatives of brown coal. The term "hard coal" is used in the same sense as in the "International Classification of Hard Coals by Type", where it is defined as coal with a gross calorific value of more than 10,260 Btu/lb (5700 kcal/kg) on a moist, ash-free basis.

X-T59

AUSTRALIAN STANDARD T28 — 1964

(UDC 616.314:669.255)

2-JUN1 9
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DENTAL COBALT CHROMIUM CASTING ALLOY

The Standards Committee of the Australian Dental Association has adopted this standard for use in connection with its scheme for accreditation of certified dental materials, lists of which are published periodically in the dental journals throughout Australia. Enquiries regarding this scheme should be addressed direct to the Australian Dental Association. When used in connection with the scheme the standard is known as Australian Dental Standard No. T28 (ADS T28).

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Amendment No. 1
September 1964

X-T59
.S72#20

STANDARDS ASSOCIATION OF AUSTRALIA
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AUSTRALIAN AMENDMENT No. 1
to
AS B52—1964
FLANGES AND BOLTING FOR PIPES, VALVES AND FITTINGS

The previous edition of B.S.10, which was issued in 5 Parts, was endorsed as AS B52. The 1962 edition of B.S.10 has been examined by the Association's Committee ME/1, Boilers and Unfired Pressure Vessels, who have agreed that this new edition be endorsed with amendments as a revised edition of AS B52. The accompanying endorsement slip should be attached to the cover of B.S.10 for use in Australia and the amendments inserted at the appropriate pages in the standard.

ALTERATION OF REFERENCES

On page 2 and elsewhere throughout this standard, references are given for particular British Standards for which there are equivalent Australian Standards. In all such cases the British reference shall be altered to the equivalent Australian reference, as follows:

B.S.18.....AS A23 (B.S.18:1962 endorsed with amendments)

B.S.21.....AS B53 (B.S.21:1957 endorsed with amendments)

B.S.84.....AS B47 (B.S.84:1956 endorsed without amendment)

B.S.309.....AS G11 (B.S.309:1958 endorsed with amendments)

B.S.310.....AS G12 (B.S.310:1958 endorsed with amendments)

B.S.806.....AS B65 (B.S.806:1954 endorsed with amendments)

B.S.916.....AS B100 (B.S.916:1953 endorsed with amendments)

B.S.1083.....AS B117 (B.S.1083:1951 endorsed without amendment)

B.S.1400.....AS H47 (B.S.1400:1961 endorsed with amendments)

B.S.1452.....AS G8 (B.S.1452:1961 endorsed without amendment)

B.S.1580.....AS B133 (B.S.1580:Parts 1 and 2:1962 endorsed without amendment)

B.S.1768.....AS B147 (B.S.1768:1951 endorsed without amendment)

B.S.1769.....AS B148 (B.S.1769:1951 endorsed without amendment)

B.S.2789.....AS G9 (B.S.2789:1961 endorsed with amendments)

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Amendment No. 1
May 1964

#21

STANDARDS ASSOCIATION OF AUSTRALIA
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AMENDMENTS TO AS A44—1960 AND AS CA20—1960 FIBROUS PLASTER PRODUCTS

2-SEP 1
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AMENDMENT No. 1
to
AS A44—1960
FIBROUS PLASTER PRODUCTS

Page 6. **Clause 3, GYPSUM MOULDING PLASTER.**

Delete reference to SAA Int. 317 and footnote, and *substitute:*

AS A43, Gypsum Plaster for Building Purposes.

AMDT. No. 1 MAY 1964

Editorial note: This alteration was incorporated in the 1963 reprint.

Page 6. **Clause 9, PLAIN SHEETS.**

(a) Thickness.

Delete the first sentence and *substitute:*

Unless otherwise ordered, the nominal thickness of plain sheets shall be $\frac{3}{8}$ in.

AMDT. No. 1 MAY 1964

X-T 59
.59 #C2

Amendment No. 3
June 1963

STANDARDS ASSOCIATION OF AUSTRALIA

Incorporated by Royal Charter

2-SEP 21
Copy 1964

AMENDMENT No. 3 and Corrigenda to SAA Approval and Test Specification for BUSWAYS (AS C151—1960 Ap.)

The 1960 edition of AS C151 Ap. which was previously amended in 1963 (twice) is further amended as follows; the amendments should be inserted at the appropriate places, and the corrections indicated should also be made.

CORRIGENDA

Clause 5, ENCLOSURES.

(a) General.

In the fourth line of the fifth paragraph *alter* the reference in parenthesis to read "(see Clause 13(a)(v)".

(d) Trolley Enclosure.

In the last line of the second paragraph *alter* the reference to read "Clause 14(e)".

X-T59

Endorsement

June 1964

X-T59

June 1964

BRITISH STANDARD 2868 : 1957

.S9

ALIA

.S9

#23

is endorsed as

AUSTRALIAN STANDARD

K151 — 1964

without Australian amendment

STANDARDS ASSOCIATION OF AUSTRALIA

Science House, 157 Gloucester Street, Sydney

QUIPMENT

Page [illegible]

Alter 4.994 to 3.994

altered accordingly.

[illegible] should be

AMENDMENT TO PART 1, THE SAMPLING OF COAL

Applicable to the sampling of hard coal only.

Page 10. **FOREWORD.**

Delete paragraph 2, and *substitute:*

Separate methods of sampling are specified for:

1. Small coals, i.e. with a top size 3 in or less, and
2. Large coals, i.e. with a top size greater than 3 in and passing over a screen of specified size, normally 1 in or larger.

AUST. AMDT. No. 1 JUNE 1964

AMENDMENT TO PART 1, THE SAMPLING OF COAL

Applicable to the sampling of hard coal only.

Page 11. **FOREWORD.**

Add the following paragraph:

As many of the operations to be described in this standard are readily affected by atmospheric conditions, particularly in the case of sample preparation for moisture determinations the operator should give due consideration to the relationship between the prevailing conditions and the work being carried out.

AUST. AMDT. No. 1 JUNE 1964

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STANDARDS ASSOCIATION OF AUSTRALIA
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2 - SEP 21
Copy 1964

AMENDMENT No. 3
to
SAA Approval and Test Specification
for
DOMESTIC ELECTRIC WASHING MACHINES
(AS C163—1960 Ap.)

The 1960 edition of AS C163 Ap. which was previously amended in 1962 and 1963 is further amended as follows; the amendments should be inserted at the appropriate places.

Clause 2, DEFINITIONS.

Add the following definition:

Semi-automatic Washing Machine — a domestic electric washing machine in which the period or sequence of one or more of the washing operations can be controlled automatically, but manual operation of a control device is necessary to complete the whole cycle of washing operations. AMDT. No. 3 JUNE 1964

This amendment forms part of the specification on 1 January 1965.

Clause 11, MOTOR.

(b) Overcurrent Protection.

Delete existing first paragraph and *substitute:*

Any motor having a rated input of 480 volt-amperes or more if of the shaded-pole type, or 240 volt-amperes or more for all other types and which is intended to be automatically controlled as described in Clause 6(b) of AS C115 Ap., shall be provided with thermal protection as required by that clause. AMDT. No. 3 JUNE 1964

Add the following third paragraph:

The functioning of a motor protective device (whether required by this clause or not) shall not result in fire or accident hazard. AMDT. No. 3 JUNE 1964

This amendment forms part of the specification on 1 January 1965.

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.S7

Amendment No. 7
June 1964

STANDARDS ASSOCIATION OF AUSTRALIA
Incorporated by Royal Charter

#25

2-SEP2 1
Copy 1964

AMENDMENT No. 7
to
SAA Approval and Test Specification
for
FIXED ELECTRIC WATER HEATERS
(AS C142—1954 Ap.)

The 1949 edition of AS C142 Ap. which was amended and redated in 1954 and amended in 1956, 1958, 1960, 1961, 1962 is further amended as follows; the amendment should be inserted at the appropriate place.

Clause 11, OVERHEATING PROTECTIVE DEVICES.

(e) Pressure Storage Water Heaters.

Delete first sentence of first paragraph (Amendment No. 6, October 1962) and *substitute:*

Except for—

(i) cistern fed storage water heaters intended to operate with a vent permanently open to the atmosphere,

AMDT. No. 7 JUNE 1964

(ii) free outlet water heaters, and

(iii) storage water heaters with an open container,

all pressure storage water heaters shall, in addition to any device required by Clauses 11(a) to 11(d) above, be fitted with a thermal cutout which will disconnect the electricity supply to the water heater in the event of the water temperature exceeding 220°F (104.4°C).

This amendment forms part of the specification on 1 July 1964.

X - T59
, 527.726

Amendment No. 4
June 1964

STANDARDS ASSOCIATION OF AUSTRALIA
Incorporated by Royal Charter

2-SEP 21 1964

AMENDMENT No. 4
to
SAA Approval and Test Specification
for
PORTABLE ELECTRIC DRILLS
(AS C160—1959 Ap.)

The 1959 edition of AS C160 Ap. which was previously amended in 1961, 1962, and 1963 is further amended as follows; the amendments should be inserted at the appropriate places.

Clause 8, ELECTRIC DRILLS WITH DOUBLE INSULATION.

Add the following paragraph:

AMDT. No. 4 JUNE 1964

In addition, protective insulation between rotating external metal (e.g. a chuck) and functionally insulated live parts shall be provided by one of the following methods or a combination thereof:

(i) an insulating sleeving between the armature laminations and the shaft,

(ii) an insulating coupling in the armature shaft between the functionally insulated parts and the rotating external metal parts,

(iii) an insulating gear wheel, which if immersed in grease or oil shall provide a creepage distance of not less than 6 mm,

(iv) other approved arrangements.

Note. In accordance with the requirements of AS C100 Ap. a single layer of insulation, such as referred to above, may be accepted as the equivalent of double insulation under certain circumstances; this approach may be adopted where the motor winding insulation cannot be regarded as adequate functional insulation.

This amendment forms part of the specification on 1 July 1966.

Clause 12, MATERIAL OF ENCLOSING CASE.

Delete reference to "aluminium alloy No. LM2" in the second sentence and *substitute* "aluminium alloy type H49-2".

AMDT. No. 4 JUNE 1964

This amendment forms part of the specification on 1 July 1964.

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Amendment No. 5
June 1964

STANDARDS ASSOCIATION OF AUSTRALIA
Incorporated by Royal Charter

2-SEP21 1964

AMENDMENT No. 5
to
SAA Approval and Test Specification
for
MINIATURE OVERCURRENT CIRCUIT-BREAKERS
(AS C111—1956 Ap.)

The 1956 edition of AS C111 Ap. which was previously amended in 1959, 1961 and 1963 (twice) is further amended as follows; the amendments should be inserted at the appropriate places.

Clause 21, TEST OF BREAKING CAPACITY.

(a) Source of Supply.

Delete item (i) and *substitute:*

(i) *A.C. Circuit-breakers.* For circuit-breakers for use in a.c. circuits only, the source of supply for the breaking capacity tests shall be such that it delivers a current of 10,000 amperes r.m.s when the terminals to which the circuit-breaker under test will be connected are short-circuited by a link of negligible impedance.

Additional impedance for limiting the prospective short-circuit current to the values specified in Table 1 shall be connected to the load side of the circuit-breaker under test. The lagging power factor of the test circuit shall be 0.75.

AMDT. No. 5 JUNE 1964

This amendment forms part of the specification on 1 July 1964.

Clause 21, TEST OF BREAKING CAPACITY.

(d) Arcing Test.

Delete the second last paragraph and *substitute:*

The cotton gauze shall be grade III complying with Australian Commercial Standard No. 10, Part 2, Section 2, Unmedicated Gauze.

AMDT. No. 5 JUNE 1964

Delete the term "cheese cloth" wherever it occurs in this sub-clause and *substitute* the term "cotton gauze".

This amendment forms part of the specification on 1 July 1964.

Clause 22, ADDITIONAL TESTS.

Delete existing clause and *substitute:*

22 **ADDITIONAL TESTS.** The circuit-breaker shall be subjected to the high voltage test in Clause 15(b), the performance test in Clause 20 and the insulation resistance test in Clause 15(a) and shall comply with the requirements thereof.

AMDT. No. 5 JUNE 1964

This amendment forms part of the specification on 1 July 1964.

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.S7#78

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2-SEP 21
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AMENDMENT No. 7
to
SAA Approval and Test Specification
for
BAYONET LAMPHOLDERS
(AS C117—1955 Ap.)

The 1939 edition of AS C117 Ap. which was amended and redated in 1947, 1950 and 1955 and amended in 1960, 1962 and 1963 is further amended as follows; the amendments should be inserted at the appropriate places.

Clause 7, MATERIALS.

Delete existing first paragraph and *substitute:*

7. MATERIALS. Insulating materials used for the support or protection of live parts shall be rigid, having properties not inferior to those for Class 100 mouldings (see Note) as specified in AS C121 Ap. Provided however that a non-rigid moulding of polychloroprene, otherwise complying with the foregoing requirements, shall be acceptable for festoon lampholders where they are moulded integrally to stranded cables. AMDT. No. 7 JUNE 1964

Note. At the present time, the commonly known thermoplastic moulding materials are not considered as suitable for lampholder construction. However, consideration will be given to any new materials, including thermoplastics, which may be developed having the necessary characteristics for this application.

This amendment forms part of the specification on 1 July 1964.

Clause 10, MARKING.

Add the following item (iii):

(iii) Non-rigid festoon lampholders as referred to in Clause 7, Materials, shall be marked with the maximum wattage of lamp which may be accommodated without deterioration of the lampholder or exceeding the recognised temperature limit for the insulating material; such marking shall be indelible, in a prominent position, and shall consist of letters not less than $\frac{1}{4}$ in in height. AMDT. No. 7 JUNE 1964

This amendment forms part of the specification on 1 July 1964.

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.52#79

Amendment No. 6
June 1964

STANDARDS ASSOCIATION OF AUSTRALIA
Incorporated by Royal Charter

2-SEP 2 1
Copy 1964

AMENDMENT No. 6
to
SAA Approval and Test Specification
for
ELECTRIC MOTOR-OPERATED APPLIANCES
(AS C115—1941 Ap.)

The 1941 edition of AS C115 Ap. which was previously amended in 1958, 1959, 1961 (twice) and 1963 is further amended as follows; the amendments should be inserted at the appropriate places.

TITLE.

Delete "With Motors Having Ratings Not Exceeding 1 hp," from the title.

AMDT. No. 6 JUNE 1964

This amendment forms part of the specification on 1 July 1964.

Clause 1, SCOPE.

Delete "1 hp" from the end of first paragraph and *substitute:*

". . . 2 hp for room air conditioners and 1 hp for other appliances."

AMDT. No. 6 JUNE 1964

This amendment forms part of the specification on 1 July 1964.

Clause 1, SCOPE.

In Table I *insert* "(See Appendix B)" after "Air Conditioners, Portable".

AMDT. No. 6 JUNE 1964

This amendment forms part of the specification on 1 July 1964.

Clause 2, DEFINITIONS.

In last line *delete* "(see Appendix)" and *substitute* (see Appendix A)".

AMDT. No. 6 JUNE 1964

This amendment forms part of the specification on 1 July 1964.

Clause 6, MOTORS.

(b) Thermal Protection of Motors.

Delete first paragraph (Amendment No. 1, September 1958) and *substitute:*

Any motor having a rated input of 480 volt-amperes or more if of the shaded-pole type, or 240 volt-amperes or more for all other types, incorporated in an appliance and which is intended to be automatically controlled, shall be so protected that the motor windings will not attain temperatures greater than those specified in Clause 11(m) when tested in accordance with the appropriate requirements thereof.

AMDT. No. 6 JUNE 1964

This amendment forms part of the specification on 1 July 1964.

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.S7 #30

Amendment No. 1
June 1964

STANDARDS ASSOCIATION OF AUSTRALIA
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2-SEP 21
Copy 1964

AMENDMENT No. 1
to
SAA Approval and Test Specification
for
ISOLATING TRANSFORMERS
(AS C167—1962 Ap.)

Clause 1, SCOPE.

Delete from the fifth and sixth lines the words "at a nominal voltage ratio of unity". AMDT. No. 1 JUNE 1964

This amendment forms part of the specification on 1 July 1965.

Clause 9, MEANS OF CONNECTION.

(c) Output Side.

Delete existing sub-clause (c) and *substitute:*

(c) Output Side. Where the output voltage is within the range 100-110 volts or 220-250 volts, connecting facilities shall be provided by means of— AMDT. No. 1 JUNE 1964

(i) a plug-socket complying with AS C112 Ap., Plugs and Plug Sockets, or

(ii) one appliance or piece of equipment may be permanently connected to the transformer by means of a flexible cord.

Where a plug socket connection is used—

(a) for the range 220-250 volts the plug socket shall be of a type intended to accommodate a 3-pin flat-pin plug having contacts arranged as in Fig. 1(a) of AS C112 Ap.;

(b) for the range 100-110 volts the plug socket shall be of a type which will not accommodate the types of plug shown in Fig. 1 and Fig. E1 of AS C112 Ap.

The plug socket shall be suitably shrouded to preclude the connection thereto of any plug socket adaptor which the socket will normally accommodate.

Where the output voltage is not within the ranges referred to above only the method of connection in item (ii) above shall be permitted.

Note. In accordance with Part I of the SAA Wiring Rules (AS CC1), any exposed metal parts of a single piece of electrical equipment supplied through a transformer complying with this specification need not be earthed.

Where equipment is to be connected to a plug socket of the transformer it is still essential to provide normal earthing facilities in the plug and flexible cord connected to the equipment so that these may be utilised should the equipment be connected to a conventional earthed plug socket.

However, where the equipment is permanently connected to the transformer, no earthing conductor is to be provided in the flexible cord (see Amendment No. 1 to Clause 10 (a)).

This amendment forms part of the specification on 1 July 1964.

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.S7A#3

Amendment No. 10
June 1964

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AMENDMENT No. 10
to
SAA Approval and Test Specification
for
ELECTRIC ROOM HEATERS
(AS C103—1952 Ap.)

The 1952 edition of AS C103 Ap. which was previously amended in 1956, 1958, 1959 (twice), 1961 (twice), 1962 and 1963 (twice) is further amended as follows; the amendments should be inserted at the appropriate places.

Clause 2, DEFINITIONS.

Ascribe the letter (a) to the definition of electric room heater and *add* the following definition (b):

(b) Panel Type Electric Room Heater. For the purpose of this specification the term "panel type electric room heater" shall mean an electric room heater which has as its heating medium an external panel of metal, glass or other suitable material which itself is heated by an electric element or heating unit fixed to the surface of the panel inside the room heater, or embedded in the panel. AMDT. No. 10 JUNE 1964

This amendment forms part of the specification on 1 July 1964.

Clause 6, SAFEGUARDING OF ELEMENTS.

Delete existing clause and *substitute:*

6. SAFEGUARDING OF ELEMENTS.

(a) General Requirements. Except as provided in the following subclauses, the heating units of room heaters shall be protected by guards of metal or other suitable material of such form and construction that no live part, or no material supporting or enclosing the heating element wire, can be touched with the standard test finger. In addition, it shall not be possible for the standard test finger to pass completely through any opening in the guard. AMDT. No. 10 JUNE 1964

Any guard provided to enable the room heater to comply with the requirements of this clause shall be so arranged that it cannot easily be detached from the room heater without the use of a tool.

For room heaters having openings in the base directly beneath an element, the element and its supports shall be so designed, or protection shall be provided in the form of baffles or the like, to prevent hot particles falling through the heater if the element fails.

X - T59
.S9#32

Amendment No. 7
December 1964

STANDARDS ASSOCIATION OF AUSTRALIA
(Incorporated by Royal Charter)

AMENDMENT No. 7
to
SAA Approval and Test Specification
for
ELECTRIC INSPECTION HAND-LAMPS
(AS C118—1957 Ap.)

The 1957 edition of AS C118 which was previously amended in 1959, 1960, 1961, 1962 (twice) and 1963 is further amended as follows; the amendments should be inserted at the appropriate places.

Clause 12, Ballasts.

Delete the first paragraph and *substitute:*

Any fluorescent lamp ballast incorporated in a hand-lamp shall comply with AS C168 Ap., Fluorescent Lamp Ballasts. AMDT. No. 7 DEC. 1964

This amendment forms part of the specification on 1 July 1965.

Clause 13, Capacitors.

Delete the text of this clause and *substitute:*

13 CAPACITORS. Any capacitor associated with a ballast in a hand-lamp of the fluorescent type shall comply with the relevant requirements of AS C168 Ap., Fluorescent Lamp Ballasts. AMDT. No. 7 DEC. 1964

This amendment forms part of the specification on 1 July 1965.

X-T59
.57#33

November 1964

STANDARDS ASSOCIATION OF AUSTRALIA

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Corrigendum

to

Australian Amendment No. 1

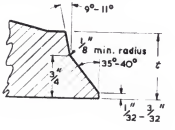
to

AS B52—1964

FLANGES AND BOLTING FOR PIPES, VALVES AND FITTINGS

Australian Amendment No. 1

Delete Fig. 6(c) as reproduced in the amendment and *substitute* the following corrected Fig. 6(c):



X-T 59
59 #34

Amendment No. 2
June 1964

STANDARDS ASSOCIATION OF AUSTRALIA
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2 SEP 21
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AMENDMENT No. 2
to
SAA Approval and Test Specification
for
ELECTRIC PORTABLE IMMERSION HEATERS
(AS C104—1960 Ap.)

The 1960 editon of AS C104 Ap. which was previously amended in October 1962 is further amended as follows; the amendment should be inserted at the appropriate place.

Clause 13, TESTS.

Add the following sub-clause (m):

(m) Leakage Current. Leakage current between live parts and external metal or insulating parts shall be measured under the conditions specified in Clause 8.3.2 of AS C100 Ap. and shall comply with the appropriate requirements thereof. (This test may be done in conjunction with the test specified in Clause 13(h) herein). AMDT. No. 2 JUNE 1964

This amendment forms part of the specification on 1 July 1965.

X-T59
.S7A35

STANDARDS ASSOCIATION OF AUSTRALIA
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2-SEP 21
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AMENDMENT No. 4
to
SAA Approval and Test Specification
for
EXTRA LOW VOLTAGE TRANSFORMERS
(AS C126—1958 Ap.)

The 1958 edition of AS C126 Ap. which was previously amended in 1962 (twice) and 1963 is further amended as follows; the amendment should be inserted at the appropriate place.

Clause 7, MEANS OF CONNECTION.

(b) Output Side.

Delete item (i) and *substitute:*

(i) A two-pin plug socket complying with Appendix E of AS C112 Ap., except that the dimensions referred to in Clause E2 need not apply provided that the plug for use with the e.l.v. socket will not enter low voltage flat-pin plug sockets conforming to Fig. 1 of AS C112 Ap.

AMDT. No. 4 JUNE 1964

This amendment forms part of the specification on 1 July 1964.

X - T59
.S7#36

Amendment No. 6
June 1964

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2-SEP21
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AMENDMENT No. 6
to
SAA Approval and Test Specification
for
ELECTRIC SOLDERING IRONS
(AS C114—1952 Ap.)

The 1940 edition of AS C114 Ap. which was amended and redated in 1947, 1948, 1950 and 1952 and amended in 1963 is further amended as follows; the amendment should be inserted at the appropriate place.

Clause 9, TESTS.

Add the following new sub-clause (j):

AMDT. No. 6 JUNE 1964

(j) **Leakage Current.** Leakage current between live parts and external metal or insulating parts shall be measured under the conditions specified in Clause 8.3.2 of AS C100 Ap. and shall comply with the appropriate requirements thereof. (This test may be done in conjunction with the test specified in Clause 9(f) herein.)

This amendment forms part of the specification on 1 July 1965.

Miniature

X-T59
.57 #1

Amendment No. 1
October 1964

STANDARDS ASSOCIATION OF AUSTRALIA

(Incorporated by Royal Charter)

AMENDMENT No. 1

to

AS A104—1957

METHOD OF TEST FOR COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS

AS A104. Clause 3, TEST SPECIMENS. AMDT. No. 1 OCT. 1964

In line 5, *delete* "0.01 in" and *substitute* "0.05 in".

AS A164. Clause 7, REPORT. AMDT. No. 1 OCT. 1964

In items (vii) and (viii), *delete* "10 lb per sq. in." and *substitute* "50 lb per sq. in."

Miniature

X - T 59
S7F36

November 1964

STANDARDS ASSOCIATION OF AUSTRALIA
Incorporated by Royal Charter

Corrigendum

to

AS A125—1963

ARC WELDED STEEL PIPES FOR WATER AND GAS

Page 15. **Clause 3.4.2, Bend Test—Preparation of Test Piece.**

In the third paragraph, *delete* the existing first sentence and *substitute:*

"The weld faces shall be filed, ground or machined level with the parent metal, care being taken to ensure that tool marks, if any, are parallel with the length of the test piece".

Miniature

December 1964

X-T56
.S7
#C

STANDARDS ASSOCIATION OF AUSTRALIA
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Corrigendum

to

C356, Part I—1964

RESISTANCE WELDING EQUIPMENT

TRANSFORMERS AND ELECTRICAL PERFORMANCE

Page 12. **FIG. 1.**

Alter the size of copper bar from 1″ × ⅛″ (25.4 mm x 3.2 mm) to the following:

1″ × ¼″ (25.4 mm x 6.35 mm).

Miniature

X-T59
.59 #40

December 1964
Superseding Corrigendum November 1962

STANDARDS ASSOCIATION OF AUSTRALIA

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Corrigenda

to

AS Z17—1962

FIBREBOARD CONTAINERS FOR GENERAL PURPOSES

Page 6. Clause 2-2, Water Absorption.
Delete "120 g/m^2" and *substitute* "150 g/m^2".

Page 8. Clause 3-2, Water Absorption.
Delete "120 g/m^2" and *substitute* "150 g/m^2".

Miniature

Endorsement November 1964

BRITISH STANDARD 2917 : 1957 X-T59

is endorsed as

AUSTRALIAN STANDARD .S9

B205 — 1964 #41

subject to Australian Amendment No. 1

This endorsement was approved on behalf of the Council of the Standards Association of Australia on 16 September 1964.

STANDARDS ASSOCIATION OF AUSTRALIA
Science House, 157 Gloucester Street, Sydney

Miniature



Endorsement November 1964

BRITISH STANDARD 2917 : 1957 X-T59

is endorsed as S7

AUSTRALIAN STANDARD B205 — 1964

#42

subject to Australian Amendment No. 1

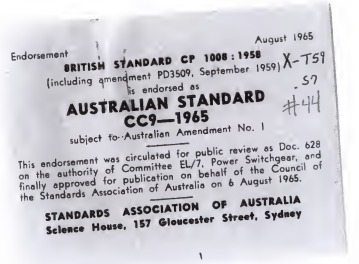
This endorsement was approved on behalf of the Council of the Standards Association of Australia on 16 September 1964.

STANDARDS ASSOCIATION OF AUSTRALIA
Science House, 157 Gloucester Street, Sydney

Miniature


Endorsement*
5 MAY 1965
This Part of
BRITISH STANDARD 1016 : 1965
is endorsed as the corresponding Part of
AUSTRALIAN STANDARD K152 — 1965
subject to Australian Amendment No. 1, if applicable
STANDARDS ASSOCIATION OF AUSTRALIA
Science House, 157 Gloucester Street, Sydney
* For attachment to B.S.1016, Parts 1 to 13, 15, 16

Miniature



August 1965

Endorsement

BRITISH STANDARD CP 1008 : 1958
(including amendment PD3509, September 1959)
is endorsed as

X-T59
-57
#44

AUSTRALIAN STANDARD CC9—1965

subject to Australian Amendment No. 1

This endorsement was circulated for public review as Doc. 628 on the authority of Committee EL/7, Power Switchgear, and finally approved for publication on behalf of the Council of the Standards Association of Australia on 6 August 1965.

STANDARDS ASSOCIATION OF AUSTRALIA
Science House, 157 Gloucester Street, Sydney

1

Miniature

X-T59
.S7#45

March 1965

STANDARDS ASSOCIATION OF AUSTRALIA
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MAY 1 1965
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CORRIGENDUM

to

AS O90.4—1964

METHOD OF TEST FOR SCARF JOINTS IN PLYWOOD

Page 22. *Alter* captions for Figs. 1 and 2 to read—

"Type 2, Test Piece" and "Type 1, Test Piece", respectively.

Miniature

X-T59
.57

February 1965

#46

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5 MAY 14
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AMENDMENT

to

AS K41

STANDARD METHODS OF TEST FOR PAINTS, VARNISHES, LACQUERS AND RELATED MATERIALS

Amendment No. 1 to Method 204.1, Fineness of Grind.

Report. Delete item and *substitute* the following:

AMDT. No. 1 FEB. 1965

"From the three readings obtained in Step 5 report the average to the nearest first decimal place."

X-T59
.S9

February 1965

#47

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5 MAY 11
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AMENDMENT

to

AS K41

STANDARD METHODS OF TEST FOR PAINTS, VARNISHES, LACQUERS AND RELATED MATERIALS

Amendment No. 1 to Method 104.1, Recommended Materials for Test Panels.

(b) Tinplate. Insert additional requirement as follows:

"Hot dipped tinplate 107 lb base weight, grade MRT3, 1.25 lb base box coating weight. End use panels for paint testing."

AMDT. No. 1 FEB. 1965

X-T59
.57

Amendment No. 1
January 1965

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MAY 14 1965 Copy #48

AMENDMENT No. 1

to

AS B190—1964

VALVES, WATER GAUGES AND OTHER FITTINGS FOR BOILERS AND UNFIRED PRESSURE VESSELS

Page 12. **Clause 2.4.1 General Limitations** (Correction)

In the fourth line *alter* the reference "3.1.3" to "3.2.3". AMDT. No. 1 JAN. 1965

Page 38. **Clause 9.3 Connections.**

Delete the first sentence and *substitute:*

The drain valve to any chamber shall be not less than half the diameter of the differential connections, but in no case less than $\frac{1}{2}$ in nominal bore. AMDT. No. 1 JAN. 1965

X-T59
.S7#49

Amendment No. 1
February 1965

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AMENDMENT No. 1

to

AS CL2—1962

LAUNDERING OF SHRINK-RESISTANT WOOL BLANKETS FOR HOSPITALS AND KINDRED INSTITUTIONS

Page 2. **PREFACE.**

In the last paragraph, *delete* "AS No. L–, Shrink-resistant Wool Blankets for Hospitals and Kindred Institutions" and *substitute* "AS L43, Wool Blankets for use in Hospitals and Kindred Institutions." AMDT. No. 1 FEB. 1965

Page 4. **Clause 3 (a) (i) Laundering.** AMDT. No. 1 FEB. 1965

After "loading" in the second line, *add* the words "or end-loading".

X-759
.SZP5

February 1965

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CORRIGENDA

to

AMENDMENT No. 2 (November 1964)

to

AS CA2—1963

SAA CODE FOR CONCRETE IN BUILDINGS

Rule 6.17 Hooks and Bends.

In line 3, *delete* "radius" and *substitute* "diameter".

Rule 7.2.3 Design of Slabs and Drop Panels.

In paragraph (iii) *alter* the formula number to "(19A)".

In paragraph (iv), penultimate line, *alter* the formula number to "(19A)".

In paragraph (v), line 3, *alter* the formula number to "(19A)".

X-T59
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#51

February 1965

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5 MAY 11
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CORRIGENDA

to

AMENDMENT No. 5

to

AS C116 — 1955 Ap.

RUBBER INSULATED CABLES AND FLEXIBLE CORDS

Clause 10 CONSTRUCTION OF 250-VOLT FLEXIBLE CORDS.

(b) Tough-rubber or PVC Sheathed Flexible Cords (Table A-24).

(ii) Heavy-Duty Type.

B. *Screened Type.*

In the third paragraph *delete* "less" and *substitute* "greater".

X-T59
.S74452

Amendment No. 8
September 1965

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AMENDMENT No. 8

to

SAA Approval and Test Specification

for

ELECTRIC DRY SHAVERS AND HAIR CLIPPERS

(AS C125-1952 Ap.)

The 1952 edition of AS C125 Ap. which was previously amended in 1957, 1959, 1961, 1962, 1963 (twice) and 1965 is further amended as follows; the amendment should be inserted at the appropriate place.

Clause 16(f), Tests—Test of Temperature Rise.

Delete the second sentence of the first paragraph.

Include a fifth paragraph as follows:

Where the appliance incorporates a voltage selection device, the test shall be applied to separate samples set and operated at each nominated voltage. AMDT. No. 8 SEPT. 1965

This amendment forms part of the specification on 1 October 1965.

X - 759
.S2453

Amendment No. 7
September 1965

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AMENDMENT No. 7

to

SAA Approval and Test Specification

for

ELECTRIC FLOOR-POLISHERS

(AS C157-1956 Ap.)

The 1956 edition of AS C157 Ap. which was previously amended in 1959, 1961, 1962 (twice), 1963 and 1965 is further amended as follows; the amendment should be inserted at the appropriate place.

Clause 14, Switches.

Include a new paragraph as follows:

The "on" and "off" positions of any switch need not be marked except as required for lever operated switches in accordance with Clause 3.8 of AS C100 Ap. AMDT. No. 7 SEPT. 1965

This amendment forms part of the specification on 1 October 1965.

X-T59
.S7#54

Amendment No. 3
September 1965

STANDARDS ASSOCIATION OF AUSTRALIA
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AMENDMENT No. 3

to

SAA Approval and Test Specification

for

DOMESTIC ELECTRIC FOOD MIXERS

(AS C162-1960 Ap.)

The 1960 edition of AS C162 Ap. which was previously amended in 1963 and 1965 is further amended as follows; the amendment should be inserted at the appropriate place.

Clause 13, Switches or Control Devices.

Add the following paragraph:

The "on" and "off" positions of any manually operated switch need not be marked except as required for lever operated switches in accordance with Clause 3.8 of AS C100 Ap. AMDT. No. 3 SEPT. 1965

This amendment forms part of the specification on 1 October 1965.

X-T59
.S7455

STANDARDS ASSOCIATION OF AUSTRALIA
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Amendment No. 1
September 1965

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AMENDMENT No. 1
to
SAA Approval and Test Specification
for
FLUORESCENT LAMP BALLASTS
(AS C168-1963 Ap.)

The 1963 edition of AS C168 Ap. is amended as follows; the amendments should be inserted at the appropriate places.

Clause 16.7, Insulation Resistance Test.

Delete "1 megohm" from the last paragraph and *substitute* "10 megohms".

AMDT. No. 1 SEPT. 1965

This amendment forms part of the specification on 1 October 1965.

Clause 16.12.8, Humidity Test.

In the last line of the second paragraph of item (i) *delete* "2 megohms" and *substitute* "10 megohms".

AMDT. No. 1 SEPT. 1965

This amendment forms part of the specification on 1 October 1965.

X-T59
.S9 #56

Amendment No. 1
September 1965

STANDARDS ASSOCIATION OF AUSTRALIA
Incorporated by Royal Charter

AMENDMENT No. 1
to
SAA Approval and Test Specification
for
PLUG SOCKET ADAPTORS
(AS C122-1964 Ap.)

2 - DEC - 8
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The 1964 edition of AS C122 Ap. is amended as follows; the amendment should be inserted at the appropriate place.

Clause 11, Method of Entry and Cord Anchorage for Flexible Cord.

Delete the second and third sentences of the first paragraph and the third paragraph, and *insert* the following new third paragraph:

AMDT. No. 1 SEPT. 1965

Facilities shall be provided for anchorage of the flexible cord in accordance with the requirements of AS C100 Ap. and shall comply with the appropriate test therein.

This amendment forms part of the specification on 1 October 1965.

X-T 59 #57
59 #57

Amendment No. 9
September 1965

STANDARDS ASSOCIATION OF AUSTRALIA
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AMENDMENT No. 9
to
SAA Approval and Test Specification
for
PORTABLE LAMP STANDARDS AND BRACKETS
(AS C128-1948 Ap.)

- DEC - 8
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The 1947 edition of AS C128 Ap. which was amended and redated in 1948, and amended in 1958, 1959, 1960, 1961, 1962, 1963 and 1965 is further amended as follows; the amendments should be inserted at the appropriate places.

Clause 9, Switches.

Delete existing clause and *substitute*:

AMDT. No. 9 SEPT. 1965

9. SWITCHES. Any manually operated switch incorporated in a portable lighting fitting shall open both live conductors and shall comply with the relevant requirements of AS C133 Ap., Air-break Switches, the rating of the switch being taken as the rating of the lamps controlled as in Clause 12(e).

Switches shall be suitably located and securely attached to the lighting fitting in such a manner as will prevent rotation or movement of the switch body in normal use.

The "on" and "off" positions of manually operated switches need not be marked except as required for lever operated switches in accordance with Clause 3.8 of AS C100 Ap.

Any automatic starter switches in fittings of the fluorescent type shall be mounted so that they may be replaced without exposing live parts other than contacts of the starter switch socket.

This amendment forms part of the specification on 1 October 1965.

Clause 12(f), Tests—Testing of Switch.

AMDT. No. 9 SEPT. 1965

Delete this sub-clause.

This amendment forms part of the specification on 1 October 1965.

X-T59
S7#58

Amendment No. 6
September 1965

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AMENDMENT No. 6

to

SAA Approval and Test Specification

for

PORTABLE ELECTRIC DRILLS

(AS C160-1959 Ap.)

The 1959 edition of AS C160 Ap. which was previously amended in 1961, 1962, 1963, 1964, 1965 is further amended as follows: the amendments should be inserted at the appropriate places.

Clause 7, Electric Drills with Earthing Facilities.

In the last paragraph (as included by Amendment No. 3, March 1963), *delete* the word "contact" from the first line and *substitute* "terminal".

AMDT. No. 6 SEPT. 1965

This amendment forms part of the specification on 1 October 1965.

Clause 8, Electric Drills with Double Insulation.

Add the following paragraph:

Openings for ventilation in external metal parts shall not present direct access to the interior of the drill where internal live parts are not adequately protected by baffles or a suitable labyrinth.

AMDT. No. 6 SEPT. 1965

This amendment forms part of the specification on 1 April 1967.

Clause 16 (e), Tests—Test of Earthing Facilities.

Delete the words "earth pin of the plug" and *substitute* "earthing terminal of the drill".

AMDT. No. 6 SEPT. 1965

This amendment forms part of the specification on 1 October 1965.

X-T59
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Amendment No. 7
September 1965

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AMENDMENT No. 7

to

SAA Approval and Test Specification

for

VACUUM CLEANERS

(AS C153-1951 Ap.)

The 1951 edition of AS C153 Ap. which was previously amended in 1959, 1961 (twice), 1962, 1963 and 1965 is further amended as follows; the amendments should be inserted at the appropriate places.

Clause 12, Switches.

In the last paragraph *delete* the words "in the body of the vacuum cleaner". AMDT. No. 7 SEPT. 1965

Include a new paragraph as follows:

The "on" and "off" positions of any switch need not be marked except as required for lever operated switches in accordance with Clause 3.8 of AS C100 Ap.

This amendment forms part of the specification on 1 October 1965.

Clause 15(c), Tests—Cord Anchorage.

Delete existing sub-clause and *substitute* the following:

(c) Cord Anchorage. Anchorage of flexible cord shall be tested in accordance with the relevant requirements of AS C100 Ap. and shall comply with the requirements thereof. AMDT. No. 7 SEPT. 1965

This amendment forms part of the specification on 1 October 1965.

X-T 59
.57 #60

Amendment No. 5
September 1965

2 - DEC - 8
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AMENDMENT No. 5

to

SAA Approval and Test Specification

for

DOMESTIC ELECTRIC WASHING MACHINES

(AS C163-1960 Ap.)

The 1960 edition of AS C163 Ap. which was previously amended in 1962, 1963, 1964 and 1965 is further amended as follows; the amendments should be inserted at the appropriate places.

Clause 15, Switches.

Delete the second paragraph and *substitute*:

AMDT. No. 5 SEPT. 1965

Any switch fitted to a washing machine in addition to the switch or switches used to control the operation of the machine, and which is intended to isolate the electrical supply to the washing machine, shall open both live conductors.

Any switch which has an "off" position shall have such position legibly and indelibly marked "off".

Any single-pole switch shall be connected in the active conductor and located between the active terminal and any heating element, or thermostat controlling the element.

This amendment forms part of the specification on 1 October 1965.

Clause 18 (h), Tests—Exposure of Materials and Insulation to Excessive Temperature.

Delete the last paragraph of item (i) (as included by Amendment No. 3, June 1964) and *substitute*:

AMDT. No. 5 SEPT. 1965

Where the machine is provided with a pump it shall be operated to fill and empty, or empty only, the machine before and after each cycle of operation, as appropriate.

This amendment forms part of the specification on 1 October 1965.

L-T59
.S7#61

Amendment No. 3
September 1965

STANDARDS ASSOCIATION OF AUSTRALIA
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AMENDMENT No. 3

to

SAA Approval and Test Specification

for

NORMAL BAYONET LAMPHOLDER ADAPTORS

(AS C119-1951 Ap.)

2 - DEC - 8
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The 1951 edition of AS C119 Ap. which was previously amended in 1960 and 1963 is further amended as follows; the amendments should be inserted at the appropriate places.

Clause 9, Switches.

Delete existing clause and *substitute:*

9. SWITCHES. Any switch incorporated in the lampholder adaptor shall— AMDT. No. 3 SEPT. 1965

(i) open all live conductors of the outlet it controls,

(ii) comply with the relevant requirements of AS C133 Ap., Air-break Switches,

(iii) not be of the rotary, chain or cord pull type.

The "on" and "off" positions of the switch shall be legibly and indelibly marked.

This amendment forms part of the specification on 1 October 1965.

Clause 12(d), Tests—Testing of Switch.

Delete this sub-clause.

AMDT. No. 3 SEPT. 1965

This amendment forms part of the specification on 1 October 1965.

X-TS7
.S7 #62

Amendment No. 1
September 1965

STANDARDS ASSOCIATION OF AUSTRALIA
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AMENDMENT No. 1
to
SAA Approval and Test Specification
for
CORD EXTENSION SOCKETS
(AS C120-1964 Ap.)

2 - DEC - 8
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The 1964 edition of AS C120 Ap. is amended as follows; the amendment should be inserted at the appropriate place.

Clause 21, Tests—New Sub-clause 21.11.

Include a new sub-clause 21.11 as follows:

AMDT. No. 1 SEPT. 1965

21.11 Test for the Fixing of Contacts in Resilient or Thermoplastic Cord Extension Sockets. A separate sample of any cord extension socket made of resilient or thermoplastic material shall be heated to a temperature of 50° ± 3°C for 1 hour and shall be maintained at that temperature during this test.

The socket shall be held firmly in a manner such that there will be no undue squeezing or distortion of the body of the socket, and a wire loop shall be connected to each contact. A steady pull shall then be applied to each contact in turn in the direction in which a plug pin would move during normal insertion. The pull applied shall be increased steadily over a period of 10 seconds to a force of 13 lbf and shall be held at this value for a period of 10 minutes. The attachment of contacts shall be deemed inadequate if there is a displacement of any contact of more than $\frac{1}{32}$ inch during this test, or if any contact fails to return to its original position within 5 minutes of the removal of the test load.

For sockets moulded integrally with a flexible cord, any sheathing shall be removed where it leaves the socket and the force applied to each conductor in turn.

This amendment forms part of the specification on 1 October 1965.

X-T59
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Amendment No. 1
September 1965

#63

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AMENDMENT No. 1

to

SAA Approval and Test Specification

for

QUICK CONNECT TAB AND RECEPTACLE CONNECTORS

(AS C169-1964 Ap.)

The 1964 edition of AS C169 Ap. is amended as follows; the amendments should be inserted at the appropriate places.

Clause 1, Scope.

Add the following note to the clause:

NOTE. This specification is intended to apply only to those connectors having a nominal shape and dimensions as referred to herein. It is not intended to preclude the development of other similar connectors, e.g. of circular form. However, it is expected that the types covered herein will be used in the majority of appliances and equipment covered by the approval and test specifications issued under Part II of the SAA Wiring Rules; acceptance of other forms of connector in those appliances and equipment is a matter for consideration by the Approvals Authorities concerned. AMDT. No. 1 SEPT. 1965

This amendment forms part of the specification on 1 October 1965.

Table 1, Dimensions of Connector Tabs.

In the 4th column, *add* "min." under Dimension C, and *delete* the existing dimensions for designations 187, 250 and 375 and *substitute* "0.245", "0.307" and "0.463", respectively. AMDT. No. 1 SEPT. 1965

Delete "min." from Dimension E and *delete* the existing dimensions.

Include the following note as applied to Dimension E:

NOTE. No specific dimensions are specified for E and alternative arrangements to a shoulder may be provided in accordance with Clause 8.

Alter the tolerances applying to Dimension F to "$+0.010$ in each case. -0.003"

This amendment forms part of the specification on 1 October 1965.

X-T59
.S7A64

Amendment No. 2
August 1965

STANDARDS ASSOCIATION OF AUSTRALIA
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2 - DEC - 8
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AMENDMENT No. 2
to
AS O93—1964
UNSEASONED CYPRESS PINE MILLED WEATHERBOARDS (CHAMFERBOARDS)

Page 18. **Clause 8.2, Machining Defects.**

(iv) *Torn grain. Delete* existing requirement (Amendment No. 1) and *substitute:* AMDT. No. 2 AUG. 1965

(iv) *Torn grain:*

(a) Not exceeding 1/64 inch deep—provided the area of face so affected does not exceed 25 per cent of the face of the board;

(b) Exceeding 1/64 inch deep but not exceeding 1/16 inch deep —provided individual occurrences are spaced not less than 3 ft apart and do not exceed 3 sq in in area; and provided also that not more than 10 per cent of the boards in a parcel are so affected on the face.

Page 27. **B2, Profile for Weatherboard (Chamferboard).**

Add the following:

The nosing on boards of rusticated profile shall be rounded to a radius of 3/16 inch approximately. AMDT. No. 2 AUG. 1965

The nosing on boards of checked and chamfered profile may be rounded to a radius of $\frac{1}{8}$ inch approximately or be arrissed, at the option of the purchaser.

The nosing on boards of log cabin profile may be arrissed at the option of the purchaser.

X-T59
S2#65

Amendment No. 8
September 1965

STANDARDS ASSOCIATION OF AUSTRALIA
Incorporated by Royal Charter

AMENDMENT No. 8

to

SAA Approval and Test Specification

for

ELECTRIC INSPECTION HAND-LAMPS

(AS C118-1957 Ap.)

2 - DEC - 8
Copy 1965

The 1957 edition of AS C118 which was previously amended in 1959, 1960, 1961, 1962 (twice), 1963, and 1964 is further amended as follows; the amendments should be inserted at the appropriate places

Clause 11A, Switches.

Delete existing clause and *substitute:*

11A. SWITCHES. Any switch incorporated in a hand-lamp shall open all live conductors and shall comply with the relevant requirements of AS C133 Ap., Air-break Switches. The rating of such switch shall be not less than 3 amperes. AMDT. No. 8 SEPT. 1965

The switch shall be fixed within the handle of the hand-lamp or adjacent thereto so that it is protected, by virtue of its position or by suitable shielding, from coming into contact with any flat surface on which the hand-lamp is placed.

The "on" and "off" positions of the switch shall be legibly and indelibly marked.

This amendment forms part of the specification on 1 October 1965.

Clause 15(d), Tests—Testing of Switch.

Delete this sub-clause. AMDT. No. 8 SEPT. 1965

This amendment forms part of the specification on 1 October 1965.

Amendment No. 4
September 1965

STANDARDS ASSOCIATION OF AUSTRALIA
Incorporated by Royal Charter

X-T59
.S7
#160

AMENDMENT No. 4
to
SAA Approval and Test Specification
for
BUSWAYS
(AS C151-1960 Ap.)

2 - DEC - 8
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The 1960 edition of AS C151 Ap., which was previously amended in 1963 (twice) and 1964 is further amended as follows; the amendments should be inserted at the appropriate places.

Clause 5(a), Enclosures—General.

Add a new paragraph as follows:

Any insulating linings of the busway enclosure which are relied upon to prevent contact between busbars and exposed metal parts under fault conditions shall have adequate mechanical and electrical strength and shall be securely fixed in position. Insulating materials such as fibre, presspahn, and leatheroid shall be not less than 0.025 in thick. Thinner materials or combination of materials having the requisite characteristics may be accepted by the Approvals Authority, e.g. presspahn in combination with a layer of polyester film, but in no case shall the overall thickness be less than 0.010 in, nor shall the thickness of any layer of polyester film or the like be less than 0.002 in. AMDT. No. 4 SEPT. 1965

This amendment forms part of the specification on 1 October 1965.

Clause 5(d), Enclosures—Trolley Enclosure.

Add the following to the end of the second sentence of the first paragraph:

. . . and the distance from the exterior of the slot to live parts within the enclosure shall be not less than the width of the slot. AMDT. No. 4 SEPT. 1965

This amendment forms part of the specification on 1 October 1965.

Clause 14(c), Tests—Test of Short-circuit Capacity.

Delete item (ii) and (iii) of the fourth paragraph and the accompanying table and notes, and *substitute*:

(ii) If any busbar touches another busbar or comes in contact with exposed metal parts during the test. AMDT. No. 4 SEPT. 1965

(iii) If any static clearances between busbars or between busbars and exposed metal parts are permanently reduced to a value less than 75 per cent of the original clearances.

NOTE. Requirements for minimum static clearances are under consideration.

This amendment forms part of the specification on 1 October 1965.

X-T59
.S9
#67

Amendment No. 3
September 1965

STANDARDS ASSOCIATION OF AUSTRALIA
Incorporated by Royal Charter

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AMENDMENT No. 3
to
SAA Approval and Test Specification
for
EDISON-TYPE SCREW LAMPHOLDERS
(AS C140-1960 Ap.)

The 1960 edition of AS C140 Ap., which was previously amended in 1962 and 1963 is further amended as follows; the amendments should be inserted at the appropriate places.

Clause 10, Switch Lampholders.

Delete existing clause and *substitute*:

10. SWITCH LAMPHOLDERS. Any switch incorporated in the lampholder shall— AMDT. No. 3 SEPT. 1965

(i) open all live conductors,

(ii) comply with the relevant requirements of AS C133 Ap., Air-break Switches,

(iii) not be of the rotary, chain or cord pull type, for cord grip lampholders.

In an all-insulated lampholder containing a switch operated by a metal chain, such chain shall, in addition to any insulation supplied on the internal mechanism, be provided with a link or links of insulating material connected as closely as possible to the point where the chain emerges from the body, so that the link remains outside the body in all normal positions of the chain.

This amendment forms part of the specification on 1 October 1965.

Clause 12, Marking.

Add new item (iii) as follows:

(iii) Active and neutral terminals shall be marked as such ("A" and "N" respectively is acceptable). AMDT. No. 3 SEPT. 1965

This amendment forms part of the specification on 1 April 1966.

X-T57
.S7#68

STANDARDS ASSOCIATION OF AUSTRALIA
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2 - DEC - 8
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AMENDMENT No. 2

to

SAA Approval and Test Specification

for

DEFINITIONS AND GENERAL REQUIREMENTS FOR ELECTRICAL MATERIALS AND EQUIPMENT

(AS C100—1964 Ap.)

The 1964 edition of AS C100 Ap. which was previously amended in 1965 is further amended as follows; the amendments should be inserted at the appropriate places.

Clause 3.8, Switches.

Add the following paragraph:

No switch shall be mounted in a position or marked in such a manner as to incorrectly indicate its "on" or "off" position. The "on" and "off" positions of any lever-operated switch shall be legibly and indelibly marked "on" and "off" if the switch is so mounted that it is "on" when the lever is in the raised position. The "on" and "off" markings shall be visible when the switch is in the "on" and "off" positions, respectively.

AMDT. No. 2 SEPT. 1965

This amendment forms part of the specification on 1 October 1965.

Clause 4.3.2, Design and Construction of Terminals.

Include the following note to the first paragraph:

NOTE. For equipment which will be subjected to severe vibration in service, e.g. a percussion tool, it is generally necessary for special precautions to be taken to ensure that the connections made to the terminals will not slacken off under normal conditions of use. Devices such as self-locking nuts, self-clamping terminals, spring washers or re-usable locking compounds are acceptable for the purpose.

AMDT. No. 2 SEPT. 1965

This amendment forms part of the specification on 1 October 1965.

X-T59
.52#69

Amendment No. 10
September 1965

STANDARDS ASSOCIATION OF AUSTRALIA
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2 - DEC - 8
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AMENDMENT No. 10
to
SAA Approval and Test Specification
for
ELECTRIC BREAD TOASTERS
(AS C101-1955 Ap.)

The 1940 edition of AS C101 Ap. which was amended and redated in 1947, 1948, 1950 and 1955 and amended in 1955, 1956, 1958, 1962 and 1965 is further amended as follows; the amendments should be inserted at the appropriate places.

Clause 4, Safeguarding of Elements.

Amend the title of the clause to read: **"Safeguarding of Elements and Live Parts".**

Delete existing first sentence of sub-clause (a), Vertical Elements, and *substitute*:

AMDT. No. 10 SEPT. 1965

Vertical elements shall be provided with guards in the form of wires spaced not more than 1½ in apart throughout the length of the element, or such other arrangement of metal shielding which in the opinion of the Approvals Authority will provide at least an equivalent degree of safeguarding. Where wires are used they shall be—

(i) for automatic toasters which are enclosed except for the apertures into which the toast is inserted—not smaller than 20 SWG or such smaller size acceptable to the Approvals Authority having regard to the design and method of use of the toaster;

This amendment forms part of the specification on 1 October 1965.

Clause 4—New Sub-clause (e).

Add the following new sub-clause (e) to Clause 4:

AMDT. No. 10 SEPT. 1965

(e) Crumb Trays. Crumb trays of automatic toasters shall comply with the following requirements:

(i) With the crumb tray open it shall not be possible to touch live parts with the standard test finger, except those parts which are controlled by means of a double-pole automatic switch.

(ii) Any crumb tray which, when opened, permits access by means of the standard test finger to live parts controlled through a double-pole automatic switch, shall be hinged or otherwise permanently secured to the toaster.

This amendment forms part of the specification on 1 October 1965.

Price: 1/- (10c)

X-T59
59#70

Amendment No. 2
September 1965

STANDARDS ASSOCIATION OF AUSTRALIA
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AMENDMENT No. 2

to

SAA Approval and Test Specification

for

PLUGS AND PLUG SOCKETS

(AS C112-1964 Ap.)

2 - DEC - 8
Copy —— 1965

The 1964 edition of AS C112 Ap. which was previously amended in 1965 is further amended as follows; the amendments should be inserted at the appropriate places.

Clause 2.1.2, Construction of Terminals.

Add the following paragraph:

AMDT. No. 2 SEPT. 1965

Facilities shall be provided to prevent slipping or spreading of the conductors or conductor strands. Where the facilities are such that the conductor is to be located around the shank of the terminal screw and clamped under the screw head, the following requirements shall apply:

(i) the clearance between the head of the screw and the means of retention of the conductor shall not exceed 0.015 in;

(ii) the terminal screw shall be of sufficient length to enable it to be backed off sufficiently from the means of retention so that the conductor may be located around the shank without difficulty;

(iii) where the means of retention is not continuous, e.g. prongs, there shall be at least three points of retention and the maximum angle between any two points shall not exceed 150°;

(iv) where the means of retention is continuous, e.g. portion of the insulating moulding, the angle subtended by the arc of the means of retention shall be not less than 180°.

This amendment forms part of the specification on 1 October 1966.

Clause 2.6, Method Of Entry And Cord Anchorage For Flexible Cord.

Delete existing second paragraph and *substitute*:

AMDT. No. 2 SEPT. 1965

The plug shall incorporate facilities for anchorage of the flexible cord in accordance with the requirements of AS C100 Ap.

This amendment forms part of the specification on 1 October 1965.

X-T 59
.57#71

Amendment No. 8
September 1965

STANDARDS ASSOCIATION OF AUSTRALIA
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AMENDMENT No. 8
to
SAA Approval and Test Specification
for
BAYONET LAMPHOLDERS
(AS C117-1955 Ap.)

2 - DEC - 8
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The 1939 edition of AS C117 Ap. which was amended and redated in 1947, 1950 and 1955 and amended in 1960, 1962, 1963 and 1964 is further amended as follows; the amendments should be inserted at the appropriate places.

Clause 7, Materials.

Add the following to the third paragraph:

. . . except that for lampholders intended to withstand temperatures in excess of 140°C on insulating mouldings, any springs used in the construction of the contacts shall be of stainless steel. AMDT. No. 8 SEPT. 1965

This amendment forms part of the specification on 1 October 1965.

Clause 9, Switch Lampholders.

Delete existing clause and *substitute*:

9. SWITCH LAMPHOLDERS. Any switch incorporated in the lampholder shall— AMDT. No. 8 SEPT. 1965

(i) open all live conductors,

(ii) comply with the relevant requirements of AS C133 Ap., Air-break Switches,

(iii) not be of the rotary, chain or cord pull type, for cord grip lampholders.

In an all-insulated lampholder containing a switch operated by a metal chain, such chain shall, in addition to any insulation supplied on the internal mechanism, be provided with a link or links of insulating material connected as closely as possible to the point where the chain emerges from the body so that the links remain outside the body in all normal positions of the chain.

This amendment forms part of the specification on 1 October 1965.

Price: 1/- (10c)

X-T59
.52#72

Amendment No. 2
August 1965

STANDARDS ASSOCIATION OF AUSTRALIA
Incorporated by Royal Charter

AMENDMENT No. 2
to
AS A35—1957
PRECAST CONCRETE DRAINAGE PIPES

2 - DEC - 8
Copy 1965

Page 5. **Clause 7, Workmanship and Finish.**

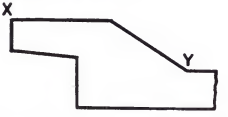
Delete existing 3rd paragraph and *substitute*:

Pipes shall be free from fractures and cracks wider than 0.004 inch, and from other defects resulting from faulty materials or faulty methods of manufacture. AMDT. No. 2 AUG. 1965

Appendix A—RECOMMENDED TYPES OF JOINT.

Page 11. **Fig. A-1. Recommended Proportions for Sockets.**

Insert "X" and "Y" on this figure (Amendment No. 1, February 1961), as indicated in the following sketch: AMDT. No. 2 AUG. 1965



Page 11. **A-3. Rebated Joint.**

Delete existing 2nd sentence and *substitute*: AMDT. No. 2 AUG. 1965

If the pipe has an outer circular reinforcing grid, the grid should be extended into the length of the joint.

Price: 1/- (10c)

X - T59
.S7#73

Amendment No. 1
August 1965

STANDARDS ASSOCIATION OF AUSTRALIA
Incorporated by Royal Charter

AMENDMENT No. 1

to

AS CC9—1965

MAINTENANCE OF ELECTRICAL SWITCHGEAR

2 - DEC - 8
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PREFACE. *Insert* the following Preface so that it may be read prior to the Foreword, page 7:

PREFACE

AUST. AMDT. No. 1 AUG. 1965

The endorsement of British Standard Code of Practice CP 1008:1958, Maintenance of Electrical Switchgear, as an Australian standard is subject to minor amendment.

References to the Electricity Supply Regulations and the Factories Acts of the United Kingdom shall be deemed to apply to the appropriate Australian Statutory requirements. These references will be found as follows:

Page 7, last paragraph

Page 8, second, third and fourth paragraphs

Page 9, Clause 202, Responsibility—4th line, first paragraph

Page 14, Clause 213, First Aid—Footnote

Page 26, Sub-clause 14, Tank-lifting Mechanism—last line

Page 31, Clause 807, Lifting Devices—Note.

Certain British standards referred to herein are under examination for endorsement as Australian standards and these references will be found as follows:

Clause 101, Scope, third paragraph—B.S. 162, Electric Power Switchgear.

Clause 608, Maintenance of Switchgear Oil (Low Viscosity), Sub-clause (a), Type of Oil—B.S.148, Insulating Oil for Transformers and Switchgear.

Clause 504, Routine Inspection and Maintenance.

Add at the end of the second paragraph:

Regular conductivity tests on the main contacts of circuit-breakers should be made so that a useful guide as to whether dismantling for contact inspection is necessary, is recorded.

AUST. AMDT. No. 1 AUG. 1965

X - T59
.S2#74

Amendment No. 2
September 1965

STANDARDS ASSOCIATION OF AUSTRALIA
Incorporated by Royal Charter

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AMENDMENT No. 2
to
SAA Approval and Test Specification
for
DOMESTIC ELECTRIC COOKING APPLIANCES
(AS C172-1963 Ap.)

The 1963 edition of AS C172 Ap. which was previously amended in 1965, is further amended as follows; the amendments should be inserted at the appropriate places.

Clause 5.2, Appliances Intended For Connection By Flexible Cord.

Delete existing second paragraph of item (i) and *substitute*:

AMDT. No. 2 SEPT. 1965

The inlet socket shall be so arranged that the temperature of the appliance plug when inserted will not exceed 140°C (284°F) or for Type C appliance plugs the temperature appropriate for the insulating moulding thereof, under the conditions specified in Clause 17.6. In no case shall the temperature of the flexible cord connected to the appliance plug exceed the limits for normal grades of rubber and PVC insulated flexible cords as referred to in Table 1 of AS C100 Ap.

This amendment forms part of the specification on 1 October 1965.

Clause 11.1, Compliance With Specifications.

AMDT. No. 2 SEPT. 1965

Alter title to read "Compliance with Specifications, and Marking".

Qualify first sentence with the number and title "11.1.1 Compliance".

Qualify the second sentence and notes with the number and title "11.1.2 Marking", and *delete* the words "for appliances rated at more than 10 amperes" from the beginning of the sentence.

This amendment forms part of the specification on 1 October 1965.

X - T59
.S7#15

Interpretation No. 4
February 1965

STANDARDS ASSOCIATION OF AUSTRALIA

Incorporated by Royal Charter

MAY 14
1965

INTERPRETATION No. 4

SAA BOILER CODE

HOT WATER BOILERS WITH EXPANSION VESSELS

This interpretation is issued for guidance on an aspect of the Code which is not adequately covered by the present edition. This form of issue has been adopted to avoid extensive or premature formal amendments. The interpretation may be regarded as equivalent to an amendment and will be incorporated in the Code as and when practicable.

ENQUIRY. What fittings and inspection facilities are required for shell type hot water boilers of the completely flooded type having a closed supply and return water system and a separate pressurized expansion vessel?

REPLY. Committee ME/1 considers that such boilers shall comply with the requirements of AS CB1, Part I—1962 for hot water boilers, except that the fittings and inspection facilities shall comply with the following requirements:

1. Minimum Requisite Fittings. These hot water boilers shall be provided with at least the following fittings in place of those required by Rule 4.10.1 of AS CB1, Part I—1962:

(i) Water relief valve or valves
(ii) Safety valve (fitted to the expansion vessel)
(iii) Water gauge (fitted to the expansion vessel)
(iv) Pressure gauge
(v) Attachment for Inspector's test gauge
(vi) Thermometer
(vii) Inlet and outlet stop valves and isolating valves
(viii) Drain cock or valve
(ix) Low water device (fitted to the expansion vessel) (see Paragraph 10)
(x) Combustion controls.

2. Water Relief Valves.

2.1 *Number of Valves.* The number of valves shall comply with Rule 4.10.2.3 of AS CB1, Part I—1962.

2.2 *Type.* Relief valves shall comply with the requirements of AS B190 and shall be capable of satisfactory operation when relieving water at saturation temperature corresponding to the set pressure.

X-T59
.59#10

February 1965

STANDARDS ASSOCIATION OF AUSTRALIA

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5 MAY 11
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CORRIGENDA to AS CA33—1962 CONCRETE PIPE LAYING DESIGN

Page 9. **Fig. 3.**

Delete the rider under the caption to Fig. 3 and *substitute:*

(Applicable to embankment conditions with negative projection and with imperfect trench).

Pages 14, 15, 21 and 22. **Appendices B1, B2, B9 and B10.**

Descriptions

In Descriptions B1.1, B2.1, B9.1, B10.1, *reword* the first paragraph in each case as follows:

"The pipe is evenly supported on a continuous concrete cradle; of monolithic cross-section if unreinforced".

Reason: Descriptions B1.1 and B2.1 already require unreinforced cradles to be of monolithic cross-section.

Diagrams

In the diagrams on pages 14, 15, 21 and 22, *delete* the words "continuous concrete cradle" and *substitute:*

"Continuous concrete cradle; of monolithic cross-section if unreinforced".

Page 15. **Appendix B2.**

In the diagrams *delete* dimension "$\frac{D}{4}$" and *substitute* "XD".

Reason: Table B2.3 on page 15 gives values for "X = 1/6" as well as for "X = 1/4".

Page 31. **Example 6.**

In the right-hand column, sixth line, *delete* ".283²" and *substitute* "2.83²".

X-T 59
S7#71

Amendment No. 1
July 1965

STANDARDS ASSOCIATION OF AUSTRALIA
Incorporated by Royal Charter

AMENDMENT No. 1
to
AS S3—1961
CONTENTS AND DIMENSIONS OF INNER-SPRING MATTRESSES FOR DOMESTIC USE

2 - NOV - 2
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Page 8. **Clause 9, QUANTITIES OF FILLING MATERIALS.**

Delete existing clause and Table 4, and *substitute:*

9. QUANTITIES OF FILLING MATERIALS.

AMDT. No. 1 JULY 1965

(a) Weights. The weights of filling materials shall be not less than those specified in Table 4.

For the purpose of this clause and Table 4—

"Basic filling" means the filling material nearest to the spring centre unit;

"Surface filling" means the soft filling material between the basic filling and the ticking cover.

TABLE 4

MINIMUM WEIGHT OF FILLING MATERIALS

Mattress Width	Weight of Basic Filling	Weight of Surface Filling	Total Weight of All Filling
	lb	lb	lb
2 ft 6 in	14	8	22
3 ft	16	10	26
3 ft 6 in	18	12	30
4 ft	21	14	35
4 ft 6 in	24	16	40

(b) Basic Filling. If the basic filling is not in pad form, the spring centre unit shall be first covered with hessian of weight not less than 7½ oz per square yard.

Where the basic filling is in the form of a pad, the weight of hessian may be included in the weight of the basic filling.

(c) Use of Wire Insulator. Where a wire insulator complying with Clause 10 is used, it shall fully cover the unit on both top and bottom surfaces. Under these circumstances the weight specified in Table 4 may be reduced by 10 per cent.

(d) Use of Latex or Synthetic Foam. Latex or synthetic foam of the minimum thickness specified in Clause 5 may be used in addition to other fillings. For each ¼ inch over the minimum thickness, the total weight of other fillings may be reduced by 33⅓ per cent.

X-T59
.S7#76

Amendment No. 4
July 1965

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AMENDMENT No. 4

to

AS CB1, Part 1 — 1962

2 - NOV - 2
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SAA Boiler Code

BOILERS OTHER THAN WATER TUBE BOILERS AND LOCOMOTIVE BOILERS FOR RAILWAY PURPOSES

The 1962 edition of Part I of the SAA Boiler Code which was amended by Amendment No. 1 of October 1963, Amendment No. 2 of February 1964 and Amendment No. 3 of February 1965 is now further amended.

Page 17. **Rule 3.2.1.2, Single-welded Butt Joints.**

In (ii) *add* the following to the first sentence:

"... and the backing strip is removed after welding." AMDT. No. 4 July 1965

Delete last sentence.

Page 19. **Rule 3.2.5.4, Furnaces.**

Delete existing rule (including Amendment No. 3) and *substitute*:

The attachment of furnaces to either flat or flat flanged ends or tube plates shall be in accordance with one of the methods shown in Fig. 3.2.5 (a), (b), (c), (e), (f), (g), (h) or (i). However, method (h) shall not be used where the ends will be subject to flame impingement. AMDT. No. July 1965

Page 19. **Rule 3.2.5.5, Crown Plates of Vertical Boilers.**

Delete existing rule (including Amendment No. 3) and *substitute*:

Dished or flat shell crown plates of vertical boilers shall be flanged and attached to the shell by one of the methods shown in Fig. 3.2.5 (a), (b) or (c) and to the uptake by the method shown in Fig. 3.2.5 (h). AMDT. No. 4 July 1965

Dished and flat furnace crown plates of vertical boilers shall be flanged and attached to the furnace and to the uptake by one of the methods shown in Fig. 3.2.5 (a), (b) or (c).

For the attachment of tube plates of vertical multitubular boilers to shells and furnaces see Rules 3.2.5.3 and 3.2.5.4 respectively.

Page 20. **Fig. 3.2.5 (a) to (d), Typical Methods of Attaching Ends.**

Amend legend to read: AMDT. No. 4 July 1965

"t = thickness of shell, furnace or uptake."

Price: 1/- (10c)

X-T58
.57#79

Amendment No. 2
July 1965

STANDARDS ASSOCIATION OF AUSTRALIA

Incorporated by Royal Charter

AMENDMENT No. 2

to

AS E34—1961

LARGE FREIGHT CONTAINERS

2 - NOV - 2
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The 1961 edition of the above standard which was amended in May 1963, is now further amended; the amendments should be inserted at the places indicated.

Page 5. **New Clause 4A.**

Add the following new rule:

4A. DOOR OPENINGS. Each container shall be provided with at least one door opening. The door opening should be as large as practicable, and when situated in the end of containers should preferably be equal to the internal cross-sectional dimensions of the container. Door openings shall, however, be not less than 7 ft high and 7 ft 3 in wide. AMDT. No. 2 JULY 1965

Page 5. **Clause 5, Loading.**

Delete existing clause (but retain Table 2) and *substitute:*

5. LOADING.

5.1 Floor. The floor shall be designed to withstand without permanent deformation the following loads: AMDT. No. 2 JULY 1965

(i) a uniformly distributed load of not less than that specified in column 3 of Table 2;

(ii) a wheel load of not less than 6,000 lbf per wheel applied over a contact area not greater than 22 sq in, assuming a wheel width of not less than 7 in and wheel centres of 30 in.

5.2 Roof. The roof shall be capable of withstanding a uniformly distributed load of not less than 440 lbf on any area of 2 ft x 1 ft.

Page 6. **Clause 6, Lifting Devices.**

Add the following paragraph:

Where 16 ft or 32 ft containers are designed to be lifted only by means of a lifting device which is applied in a substantially vertical direction, the containers shall clearly display notices to this effect on each side. AMDT. No. 2 JULY 1965

Price: 2/- (20c.)

X-T59
.S7 #80

Amendment No. 9
July 1965

STANDARDS ASSOCIATION OF AUSTRALIA

Incorporated by Royal Charter

AMENDMENT No. 9

to

AS CB1, Part V — 1954
SAA BOILER CODE — WELDING

2 - NOV - 2
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The 1951 edition of Part V of the SAA Boiler Code, which was amended and re-dated by Amendment No. 1 of January 1954, and amended by Amendment No. 2 of July 1958, Amendment No. 3 of January 1959, Amendment No. 4 of August 1960, Amendment No. 5 of June 1962, Amendment No. 6 of October 1963, Amendment No. 7 of February 1964 and Amendment No. 8 of January 1965, is now further amended.

Page 7. **Rule 2-4, Double-welded Butt Joint.**

Delete existing Note and *substitute*:

NOTE: A single-welded butt joint shall be considered equivalent to a double-welded butt joint when—

(i) a backing strip is used during welding and is removed after welding and inspection shows complete penetration and fusion on the reverse side, or AMDT. No. 9 July 1965

(ii) other means are adopted to obtain complete penetration and fusion on the reverse side and inspection reveals that this has been obtained.

A single-welded butt joint with a backing strip which is not removed after welding is not considered the equivalent of a doubled-welded butt joint.

Page 13. **Rule 4-3, Single V or U Butt Welds.**

Delete existing Note and *substitute*:

NOTE: A single-welded butt joint shall be considered equivalent to a double-welded butt joint when—

(i) a backing strip is used during welding and is removed after welding and inspection shows complete penetration and fusion on the reverse side, or AMDT. No. 9 July 1965

(ii) other means are adopted to obtain complete penetration and fusion on the reverse side and inspection reveals that this has been obtained.

A single-welded butt joint with a backing strip which is not removed after welding is not considered the equivalent of a double-welded butt joint.

Page 15. **Rule 4-42, Longitudinal Joints.**

Delete existing Sub-rule (b) and *substitute*:

(b) *Class 2 Vessels.* Longitudinal joints in Class 2 vessels shall be of the double-welded butt type or its equivalent, except that single-welded butt joints with backing strips which are not removed after welding may be used for special constructions and then only with the approval of the Inspecting Authority. AMDT. No. 9 July 1965

Price: 2/6 (25c)

X-T59
,S9
#81

Amendment No. 3
February 1965

STANDARDS ASSOCIATION OF AUSTRALIA
Incorporated by Royal Charter

5 MAY 14
COPY 1965

AMENDMENT No. 3
to
AS CB1, Part 1 — 1962
SAA Boiler Code
BOILERS OTHER THAN WATER TUBE BOILERS AND LOCOMOTIVE BOILERS FOR RAILWAY PURPOSES

The 1962 edition of Part 1 of the SAA Boiler Code which was amended by Amendment No. 1 of October 1963 and Amendment No. 2 of February 1964 is now further amended.

Page 15. **Table 2.5, Permissible Tensile Design Stresses for Carbon Steel Plates, Bars and Sections.**

Add the following sentence to the asterisked note:

AS B58 basic oxygen steel is restricted to Classes A, B, C and J, which with AS B14 basic oxygen steel shall be limited to design metal temperatures not exceeding 650°F (344°C) and to thicknesses not exceeding 1 in. AMDT. No. 3 FEB. 1965

Delete "note" and *substitute*:

NOTE: Values for intermediate temperatures may be obtained by linear interpolation.

Page 19. **Rule 3.2.5.2, Flat Unflanged Ends.**

Delete last line and *substitute* "Fig. 3.2.5 (e), (f) and (g)." AMDT. No. 3 FEB. 1965

Page 19. **Rule 3.2.5.3, Tube Plates.**

Delete second last line and *substitute*:

"(a), (b), (c), (d), (e), (f) and (g), but where method (d), (e), (f) or (g) is used," AMDT. No. 3 FEB. 1965

Page 19. **Rule 3.2.5.4, Furnaces.**

Delete second last line and *substitute*:

"shown in Fig. 3.2.5 (a), (b), (e), (f), (g), (h) and (i). However method (h)" AMDT. No. 3 FEB. 1965

Page 19. **Rule 3.2.5.5, Crown Plates of Vertical Boilers.**

Delete third line and *substitute*:

"Fig. 3.2.5 (a), (b), (c), (e), (f) and (g). Where method (e), (f) or (g) is used for furnace," AMDT. No. 3 FEB. 1965

X-T57
S7#82

Amendment No. 2
February 1965

STANDARDS ASSOCIATION OF AUSTRALIA
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AMENDMENT No. 2
to
AS CB4 — 1963
SAA CODE FOR COMPRESSED GAS CYLINDERS

The 1963 edition of the above code which was amended in June 1964 is now further amended as follows; the amendments should be inserted at the appropriate places:

Page 9. **Rule 1.9 Periodical Inspection and Testing.**

After Rule 1.9.7, *insert* the following new Rule 1.9.8:

1.9.8 Carbon Dioxide Cylinders. Carbon dioxide cylinders shall be inspected and tested in accordance with Table 1, except as follows: AMDT. No. 2 FEB. 1965

(i) For cylinders which are to be used exclusively for fire fighting purposes, the period of inspection between tests shall not exceed 10 years for the first and second tests, and the interval between all subsequent tests shall not exceed 5 years; provided, however, that should an extinguisher be discharged at any time exceeding 2 years after its previous test, the cylinder shall be retested prior to recharging and the interval between subsequent tests shall not exceed 5 years.

(ii) For cylinders fitted with shrunk-on footrings and/or over 40 years old, the period of inspection shall be reduced to 2 years.

Page 10. **Table 1 Periodical Inspection of Cylinders.**

In column 2, opposite "Carbon Dioxide", *delete* "not exceeding 2* years" and *substitute* "not exceeding 5* years". AMDT. No. 2 FEB. 1965

Delete footnote marked with asterisk (*) and *substitute:*

* For cylinders used for fire fighting purposes, and cylinders fitted with shrunk-on footrings and/or over 40 years old, see Rule 1.9.8.

Page 18. **Rule 2.12.4 Filler's Record.**

In item (ii) *delete* the reference to Rule 2.21.2 (x) and *substitute* Rule 2.12.2 (x). AMDT. No. 2 FEB. 1965

X-759
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#83

Amendment No. 4
August 1965

2 - DEC - 8
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Amendment No. 4
to
SAA WIRING RULES
Part 1 — Wiring Methods
(AS CC1, Part I — 1961)

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X-T59
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Amendment No. 1
July 1965

STANDARDS ASSOCIATION OF AUSTRALIA
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2 - NOV - 2
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AMENDMENT No. 1
to
AS B104—1964
CHAIN BLOCKS (HAND OPERATED)

PREFACE.

Page 3. Seventh line from bottom.

Delete the words "which are interchangeable". AMDT. No. 1 JULY 1965

PREFACE.

Page 4. First Paragraph.

Delete the last 2 sentences commencing "on this basis". *Insert* the following after the second paragraph:

Whilst the standard is not intended to apply to the lever or pull lift type of block, it is considered that many of the requirements in the standard can be used in the design and construction of these blocks. AMDT. No. 1 JULY 1965

Page 11. **Clause 5, Factor of Safety.** AMDT. No. 1 JULY 1965

In the second line, *replace* "and" with "of".

Page 13. **Clause 9.1, Load Chain Wheel.**

Delete second paragraph and *substitute:*

The design of the load chain wheel shall be such as will ensure effective operation with the load chain. The load chain wheel shall have pockets accurately shaped to fit the links of the load chain which shall operate freely and smoothly over the load wheel. AMDT. No. 1 JULY 1965

Page 14. **Clause 11.2, Automatic Brakes.**

Amend second line of paragraph (i) to read "a machine-cut acme, square, or buttress thread". AMDT. No. 1 JULY 1965

Page 15. **Clause 11.3.4, Position of Pawl.**

Add the following sentence: "It shall not be possible for the pawl to rotate outside of its satisfactory operating range". AMDT. No. 1 JULY 1965

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Amendment No. 6
September 1965

STANDARDS ASSOCIATION OF AUSTRALIA
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AMENDMENT No. 6

to

SAA Approval and Test Specification

for

EXTRA-LOW VOLTAGE TRANSFORMERS

(AS C126-1958 Ap.)

2 - DEC - 8
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The 1958 edition of AS C126 Ap. which was previously amended in 1962 (twice), 1963, 1964 and 1965 is further amended as follows; the amendments should be inserted at the appropriate places.

Clause 1, Scope.

In the second paragraph:

Delete item (i).

Delete item (v) and *substitute*:

(v) transformers incorporated in electronic equipment, test equipment and the like. AMDT. No. 6 SEPT. 1965

Add the following to item (vi):

. . . and no provision is made for external e.l.v. connections.

This amendment forms part of the specification on 1 October 1965.

Clause 7(b), Means of Connection—Output Side.

Delete existing first paragraph and *substitute*:

Except where incorporated in other equipment, every extra-low voltage transformer shall be provided with one of the means of connection to the output side as in (i) or (ii) below. AMDT. No. 6 SEPT. 1965

Add a second introductory paragraph as follows:

Where an extra-low voltage transformer is incorporated in equipment providing facilities for the connection of a particular external extra-low voltage appliance (e.g. a battery saver), means of connection shall be provided on the output side as in (ii) or (iii) below.

Add a new item (iii) as follows:

(iii) a plug socket which will not accept plugs conforming to Fig. 1 or Fig. E1 of AS C112 Ap.

This amendment forms part of the specification on 1 October 1965.

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Amendment No. 5
September 1965

STANDARDS ASSOCIATION OF AUSTRALIA
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AMENDMENT No. 5
to
SAA Approval and Test Specification
for
DECORATIVE LIGHTING OUTFITS
(AS C152-1950 Ap.)

The 1950 edition of AS C152 Ap. which was previously amended in 1960, 1962, 1963 and 1965 is further amended as follows; the amendments should be inserted at the appropriate places.

Clause 6, Conductors and Means of Connection.

Delete existing text of this clause and *substitute*:

(a) Conductors.

(i) *Outfits Requiring Flexibility.* Decorative lighting outfits which are intended to be draped or suspended (such as conventional Christmas tree types) shall be provided with flexible cords for the connection of the lampholders. Such flexible cords shall comply with AS C116 Ap. or AS C147 Ap. and may have a nominal cross-sectional area of 0.0006 sq in (14/.0076 in). AMDT. No. 5 SEPT. 1965

Notwithstanding Clause 3.7 of AS C100 Ap., insulation of live conductors may be coloured green except for an outfit which requires an earthing conductor in which case green shall be used only for the earthing conductor.

(ii) *Outfits Not Requiring Flexibility.* For decorative lighting outfits not requiring flexibility (such as illuminated flowers), appropriate solid or stranded cables complying with AS C116 Ap. or AS C147 Ap. may be used for the connection of lampholders.

Notwithstanding Clause 3.7 of AS C100 Ap., live conductors may be coloured green where this is required for appearance, e.g., the stem of a flower, provided that there is no likelihood of confusion between such conductors and any earthing facilities forming part of the outfit.

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AUSTRALIAN STANDARD N56 – 1965

(UDC 637.132:621.643.2)

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AUSTENITIC STAINLESS STEEL PIPES

FOR MILKING MACHINES AND AUXILIARY EQUIPMENT

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AUSTRALIAN STANDARD 036—1965

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Endorsement

Amendment No. 1
February 1965

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5 MAY 11
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Australian Amendment No. 1

to

AS K152

METHODS FOR THE ANALYSIS AND TESTING OF COAL AND COKE

The current editions of Parts 1-16* of B.S.1016 have been endorsed as the corresponding Parts of Australian Standard K152 subject to amendments and limitations as indicated below. The endorsement supersedes AS CK2, Part III — 1949.

Different amendments are to be applied according to whether hard coal and coke or brown coal and its derivatives are being examined, but such differences in application are clearly indicated.

An endorsement slip should be attached to the cover of each of the endorsed Parts of B.S.1016, and an appropriate notation made in the text of those Parts subject to Australian amendment to cross-refer to the relevant page of this booklet.

ENDORSEMENT OF BSI AMENDMENTS.

B.S.1016 includes the following BSI amendments which are included in the endorsement:

Part 5—June 1960 (PD3808), and September 1961 (PD4309)

Part 8—June 1961 (PD4185), and June (PD4249)

Part 9—July 1960 (PD3859)

Part 12—December 1960 (PD4005), and June 1961 Supplement No. 1 (PD4176)

Part 13—1963 Addendum No. 1 (PD5305)

Part 15—December 1960 (PD4004)

Part 16—August 1961 (PD4254), and January 1962 (PD4425)

* Part 1:1957, Part 2:1957, Part 3:1957, Part 4:1957, Part 5:1957, Part 6:1958, Part 7:1959, Part 8:1959, Part 9:1960, Part 10:1960, Part 11:1959, Part 12:1959, Part 13:1961, Part 15:1960, Part 16:1961; excluding Part 14:1963, Analysis of Coal and Coke Ash, which is being considered for endorsement.

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AUSTRALIAN STANDARD B164—1965

(UDC 621.791.02:620.179.1)

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COAL-TAR ENAMELLING OF STEEL PIPES



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AUSTRALIAN STANDARD B106, Part 2—1965
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VICKERS HARDNESS TEST

Part 2

Verification of the Testing Machine

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(Minimum Requirements)

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AS C158—1965 Ap.
(UDC 621.312 : 621.315.21)

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SAA
Approval and Test Specification
for
HEAT-RESISTING FIBROUS-INSULATED CABLES AND FLEXIBLE CORDS

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(UDC 674.03:694.5)

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SAWN EASTERN AUSTRALIAN HARDWOODS

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X-759

STANDARDS ASSOCIATION OF AUSTRALIA

Standard Methods of Test for Paints, Varnishes, Lacquers and Related Materials

METHOD 602.1. VISUAL ASSESSMENT OF GLOSS

Scope

This method describes a procedure for assessing the degree of gloss of a test panel visually by comparison with a series of gloss standards.

Visual gloss assessments will not necessarily correspond to instrumental gloss assessments.

Certain painted surfaces such as those of polychromatic films do not readily lend themselves to assessment by this method.

2 - NOV - 2
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Apparatus

A set of 60° Specular Gloss Standards certified by the National Bureau of Standards, Washington 25, DC, USA is required. These standards (Note) have been prepared according to the American Society of Testing and Materials Method D523 for the 60° Specular Gloss of Paint Finishes. A set consists of two white vitrolite plaques of nominal gloss values 1 and 90 and eight glazed ceramic plaques of nominal gloss values 10, 20, 30, 40, 50, 60, 70 and 80. A table showing the actual 60° gloss value of each plaque as determined by the ASTM method, uncorrected for diffuse reflection, is also required. Each plaque, approximately 4¼ inches square, is engraved with the nominal gloss value followed by a serial number. Each plaque also bears an arrow on its reverse side and this arrow should be directed towards the observer during assessments. This precaution is designed to overcome errors arising from unavoidable lack of uniformity of the plaque surface.

NOTE: Obtainable from Gardner Laboratory Inc., Bethesda 14, Maryland, USA.

Conditions of Illumination

The assessments should be carried out against a neutral background illuminated by a reasonable intensity of diffused light, preferably southern daylight.

Procedure

1. Clean the standard plaques before use. They should be washed with soap and warm water, rinsed thoroughly with distilled water and dried overnight in a dust-free place. Standard plaques of values below 25 should be scrubbed lightly.

   Handle carefully to avoid scratches. One or two deep scratches are less serious than many fine almost imperceptible ones.

2. With the test panel in one hand and a suitable standard plaque in the other hand, view the image of the light source, preferably a window, at approximately 60° angle of incidence to the normal, at a distance of approximately 18 inches from the eye. The panel and the plaque should be held side by side, in the same plane and, as far as possible, the assessment should be made on the central areas of both the test panel and standard plaque (see Fig. 1).

3. Repeat with the different standard plaques until the gloss of the test panel is assessed either as equal to a particular standard plaque or as lying halfway between two standard plaques. From the actual gloss value or values of the chosen plaque or plaques, uncorrected for diffuse reflection, record the gloss as either that of the chosen plaque or as the mean of the two chosen plaques, whichever is relevant.

4. Steps 2 and 3 are to be repeated by two additional operators.

5. Calculate the mean of the gloss values as determined by the three operators and report as a whole number.

X-T59
.S7

AS K41

METHOD No. 481.5
First Edition **December 1961**
Revised **June 1965**

STANDARDS ASSOCIATION OF AUSTRALIA

Standard Methods of Test for Paints, Varnishes, Lacquers and Related Materials

METHOD No. 481.5, THE DETERMINATION OF DURABILITY, RESISTANCE TO CORROSION, AND RESISTANCE TO FOULING OF MARINE UNDERWATER PAINT SYSTEMS

Apparatus

A raft or floating structure is required from which panels may be suspended rigidly so that they are between 2 ft and 7 ft below the surface of the water.

The design, dimensions, and materials of construction of the raft and the method of fixing the panels are left to the testing authority's discretion, provided that the following conditions are observed:

(i) The test panels hang vertically with not less than 1 ft between faces.
(ii) The test panels are electrically insulated from any metallic parts of the raft.
(iii) The test panels can be removed easily for examination and replaced without suffering any damage by abrasion.
(iv) The raft may be moored in a fixed position, i.e. fore and aft, or alternatively it may have only one mooring so that it is free to swing in any direction.
(v) The surface of the water directly above the test panels is completely exposed and is free from shadow for at least 6 hours each day.

Test Site

An approved testing site shall comply with the following conditions:

(i) Typically estuarine conditions.
(ii) A port where there is a reasonable volume of shipping.
(iii) Reasonable freedom from pollution from effluents and remote from excessive fresh water dilution.
(iv) Completely tidal and free from tidal currents that exceed 2 knots.
(v) Settlement of the larva of fouling organisms as determined in Procedure 2 shall take place throughout the year.
(vi) The surface temperature of the water shall be above 15 C and below 25°C for not less than 8 months of the year. The surface temperature of the water shall be recorded at least weekly during the exposure period if not known.

Test Panels

The test panels shall be of a size to suit the raft but in no case shall the dimensions be less than 12 in × 6 in. The number of panels shall be such that the total test area is not less than 3 ft². They shall be of the appropriate base materials and be prepared by the appropriate method, and shall have both sides and edges coated with the test film and dried by the appropriate methods.

Control Panels

Control panels shall be "non-toxic" black plastics* lightly sanded with No. 0 emery cloth, and of the same dimensions as the test panel.

Procedure

1. *Test Panels*

(a) Immerse the test panel or panels of each system under test vertically and within the specified limits of depth.
(b) At intervals of approximately 4 weeks, inspect visually and assess film and fouling failures by the methods detailed below.

NOTE: Inspection must be carried out in as short a time as possible to avoid exposure and drying out of fouling organisms. The time of exposure to cause death of organisms varies with the species but an approximate time of 10 minutes for examination may be taken as a guide.

(c) Record the results of such inspection in an appropriate manner.

* Bakelite, formica, and laminex have been found to be satisfactory.

AUSTRALIAN STANDARD A89 - 1966

(UDC 624 . 131 . 3)

X - T57
.S9
#109

TESTING SOILS FOR ENGINEERING PURPOSES



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X-T59
.S7 #110

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(UDC 669.15)

2-NOV 13
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WROUGHT ALLOY STEELS OF THE B.S.970 En SERIES TYPE

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(UDC 621.7.02: 621.357.7)

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PREPARATION OF METAL SURFACES FOR ELECTROPLATING



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AUSTRALIAN STANDARD K149—1966

(UDC 001.4 : 622.33 : 662.66)

GLOSSARY OF TERMS FOR COAL AND COKE

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AUSTRALIAN STANDARD Z27—1966

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SAA CODE
for
GAS CYLINDER TEST STATIONS

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FROZEN FOOD RETAIL CABINETS

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(UDC 621.643:621.643.3)

FIRE HOSE REELS

STANDARDS ASSOCIATION OF AUSTRALIA

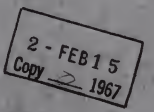
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AUSTRALIAN STANDARD 099—1966

(UDC 69.028.1:691.11)

X-759
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WOODEN DOORS

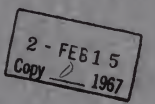


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AUSTRALIAN STANDARDS KH1 and CK12—1966
(UDC 669.228.68)

X-T59
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ELECTROPLATED COATINGS OF SILVER

FOR GENERAL ENGINEERING PURPOSES

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.S7 #119
2 - FEB 15
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AUSTRALIAN STANDARD B223—1966

(UDC 621.643.2: 669.15—462)

STEEL PIPES AND TUBES FOR PRESSURE PURPOSES

CARBON AND ALLOY STEEL – LOW TEMPERATURE DUTIES

Incorporated by Royal Charter

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Sully Col. 28 Cartridge
X-759
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(UDC 69.057.6)

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SCAFFOLDING MACHINES

(HAND OPERATED)

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(UDC 621.43.018)

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2 - FEB 15
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RATING AND TESTING INTERNAL COMBUSTION ENGINES

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Study Coll. 2B Catalyst
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#122
12-NOV 13
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AUSTRALIAN STANDARD C356, Part II—1966
[UDC 621.791.76.03]

RESISTANCE WELDING EQUIPMENT

STATIONARY TYPE
SPOT AND PROJECTION WELDING EQUIPMENT

Incorporated by Royal Charter

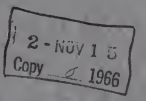
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AUSTRALIAN STANDARD A151—1966

(UDC 669.14.018.292:621.791)

X-T59
.S9
#123



STRUCTURAL STEEL OF HIGH YIELD STRESS

(WELDING QUALITY)



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Study Coat 28 Cat S
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AUSTRALIAN STANDARDS A82 and A84—1966
(UDC 669.14—426:666.982)

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AUSTRALIAN STANDARD B115—1966

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MATERIALS IN MILKING MACHINES

(FOR SURFACES IN CONTACT WITH MILK OR DETERGENT SOLUTIONS)

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AUSTRALIAN STANDARD L38—1966

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S7.2

AUSTRALIAN STANDARD S3.2—1966

Contents and Dimensions of SPRING INTERIOR MATTRESSES FOR CHILDREN'S COTS

EDITORIAL NOTE: This specification has been prepared to provide self-contained requirements for children's cot mattresses, under the general "AS S3" designation. To facilitate reference to these requirements the specification is identified as "S3.2", and the requirements in the existing AS S3 should be regarded as forming "S3.1"; for purposes of inspection and labelling schemes both specifications will retain the basic "AS S3" reference.

This specification S3.2 is being issued without a cover so that it may be incorporated into existing copies of AS S3. At an early opportunity this specification and the specification S3.1 will be reprinted to form one self-contained document.

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Amendment No. 2
November 1966

#137

STANDARDS ASSOCIATION OF AUSTRALIA
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AMENDMENT No. 2
to
AS A31.1—1963
WATER (SODA ACID) TYPE
PORTABLE FIRE EXTINGUISHERS

Page 11. **Clause 2.17, Rate of Discharge.**

Delete first line of this clause and *insert* a new clause heading and sub-clause heading as follows:

2.17 PERFORMANCE REQUIREMENTS. AMDT No. 2 Nov. 1966

2.17.1 Discharge Time. The form of the nozzle and the area of . . .

Insert a new sub-clause as follows:

2.17.2 Fire Test. Fire tests for this type of extinguisher are not specified since the extinguishing of the fire is primarily the function of the amount of extinguishing medium, and the duration and range of the discharge.

AMENDMENT No. 2
to
AS A31.2—1963
WATER (GAS CONTAINER) TYPE
PORTABLE FIRE EXTINGUISHERS

Page 18. **Clause 2.15, Rate of Discharge.**

Delete first line of this clause and *insert* a new clause heading and sub-clause heading as follows:

2.15 PERFORMANCE REQUIREMENTS. AMDT No. 2 Nov. 1966

2.15.1 Discharge Time. The form of the nozzle and the area of . . .

Insert a new sub-clause as follows:

2.15.2 Fire Test. Fire tests for this type of extinguisher are not specified since the extinguishing of the fire is primarily the function of the amount of extinguishing medium, and the duration and range of the discharge.

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AMENDMENT No. 1

to

SAA Approval and Test Specification

for

DOMESTIC ELECTRIC SEWING MACHINES

(AS C171—1964 Ap.)

The 1964 edition of AS C171 Ap. is amended as follows; the amendments should be inserted at the appropriate places.

Clause 7, Sewing Machines with Double Insulation.

Add the following paragraph:

Any openings in external metal parts which are at the top of the sewing machine motor housing when the motor is mounted in its normal position on or in the machine, shall be so located, or protected by baffles, a labyrinth or the like, that the possibility of extraneous objects such as pins entering the housing and contacting live parts is minimized. AMDT No. 1 MAY 1966

This amendment forms part of the specification on 1 June 1967.

Clause 13, Lampholders.

Delete existing clause and *substitute:*

13 LAMPHOLDERS. It shall not be necessary for lampholders to comply with AS C117 Ap., Bayonet Lampholders, or AS C140 Ap., Edison Type Screw Lampholders, but they shall comply with the requirements of AS C100 Ap. and with the following particular requirements of this clause. Lampholders which are not contained in an enclosure, the cover of which requires the use of a tool for its removal, shall be of a type whereby there is no exposed metal of either the lampholder or the lamp after the lamp has been inserted. Any lampholder intended to accommodate a lamp of the screw-in type shall be so designed that it is not possible to touch with the standard test finger any metal of the lamp or the lampholder which may be live when any contact of the lamp is touching a corresponding contact of the lampholder. The requirement shall be assessed with the longitudinal axis of the lamp in line with the axis of the lampholder (i.e. with the lamp fitted square into the lampholder and not tilted at an angle). AMDT No. 1 MAY 1966

This amendment forms part of the specification on 1 June 1966.